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#### [PDF] A handwriting-based equation editor

S Smithles, K Novins, J Arvo - Graphics Interface, 1999 - Citeseer

... line character recogni- tion software and a graph grammar to generate an internal parse **tree** of the ... Resolving am- biguities in the **input** often requires the use of high-level context [16]. ... For this reason, an essential part of any **handwriting**-based equation editor is a facility for easy ...

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## Multiple classifier systems

J Kittler, F Roli - Soft computing approach to pattern recognition ..., 2002 - books google.com ... CY (1992)" Methods of combining multiple classifiers and their applications to handwriting recognition," IEEE Trans ... of characters by a multi-stage recognition process", Pattern Recognition, 27, 1539 ... 2 Building Decision Trees from the Fourier Spectrum of a Tree Ensemble Hillol ... Cited by 64 - Related articles - Ali 2 versions

## [PDF] Recognition of mathematics notation via computer using baseline structure

R Zanibbi - Aug, 2000 - Citeseer

... In this case a valid syntactic representation is considered to be a **tree** which may be translated ...

18 Review of Mathematics Notation Recognition ... projections are used in conjunction with a more complicated analysis of spatial relationships between **handwritten** symbols created ...

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### A metric between unrooted and unordered trees and its bottom-up computing ...

..., D Nahamoo, KS Nathan, H Murase, ... - Artificial ..., 1991 - doi.ieeecomputersociety.org ... [7] T. Fujisaki, K. Nathan, W. Cho and H. Beigi, "On-Line Unconstrained Hand-writing Recognition by a Probabilistic Method," in Proc. 3rd Intl. Workshop on Frontiers in Handwriting Recognition, Buffalo, NY, pp. ... [Algorithm Tree-distance] Input: Ta and Tb, Output: D(Ta ...

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### [PDF] Thin junction trees

FR Bach, Ml Jordan - Advances in Neural Information Processing ..., 2002 - Citeseer

... We illustrate this capability in a study of handwritten digit recognition in Section 4.2, where we

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compare ... We assume an **input** space with Å variables and a target probability distribution Ö ... triangulation methods [11] that allow us to guar- antee the existence of a junction tree with a ... Cited by 60 - Related articles - View as HTML - BL Direct - All 19 versions

#### Multiclassifier systems: Back to the future

J Ghosh - Lecture notes in computer science, 2002 - Springer

... real data sets: (i) PENDIG from the UCI ML repository, is for pen-based recognition of **handwritten** digits from ... In the 70's and 80's, there were some works in the pattern recognition community that used multiclassifiers arranged in tandem or as a **tree**-structured hierarchy ...

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## [PDF] A discrete parameter HMM approach to on-line handwriting recognition

..., JR Bellegarda, D Nahamoo, KS Nathan - IEEE ..., 1995 - ece.umassd.edu

... This approach is therefore analogous to a strategy commonly used in speech recognition, with the above elementary **handwriting** unit playing the role ... To pursue the analogy further, the clustering **tree** then embodies the equivalent of the phonological rules used in speech ...

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#### ... method and hybrid tree classification for handwritten numeral recognition

Z Ping, C Lihui - Pattern Recognition Letters, 2002 - Elsevier

... A novel feature extraction method and hybrid **tree** classification for **handwritten** numeral recognition. Zhang ... Keywords: **Handwritten** numeral recognition; Feature extraction; Decision **tree** classifier; Neural networks. Article Outline. 1 ...

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## Competitive neural trees for pattern classification

S Behnke, NB Karayiannis - ... on Neural Networks, 1998 - dol.ieeecomputersociety.org

... This is accomplished by a tree pruning algorithm. Guo and Gelfand evaluated their tree structure and compared it with the CART method on waveform recognition and a handwritten character recognition problem. ...

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# Method and apparatus for similarity matching of handwritten data objects

D Barbara, I Kamel - US Patent 5,710,916, 1998 - Google Patents

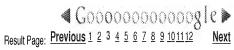
... EXTRACT FEATURES FROM **HANDWRITTEN** OBJECTS ASSOCIATE A KEY WITH EACH LEVEL OF THE **TREE** ASSOCIATE EACH STRING WITH ONE OF THE LEAVES I — 704 706 -708 710 PROVIDE AN **INPUT** SEQUENCE AND A DISTANCE QUERY THE **TREE** TO FIND ...

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